

Patent 264/217

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Ap	plication of:) Group Art Unit: Not Assigne		
	Markus Schweitzer, et al.) Examiner: Not Assigned		
Serial N	No.: 09/910,469)		
Filed:	July 19, 2001)		
For:	SORTING AND IMMOBILIZATION SYSTEM FOR NUCLEIC ACIDS USING SYNTHETIC BINDING SYSTEMS))		

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents Washington, DC 20231

Sir:

In accordance with 37 CFR §§ 1.97 and 1.98, the items identified in this Information Disclosure Statement ("IDS") are brought to the attention of the Office. The items are listed on the attached form PTO-1449 and copies are enclosed for the convenience of the Examiner.

The items identified in this IDS may or may not be "material" pursuant to 37 CFR § 1.56. The submission thereof by Applicant is not to be construed as an admission that any such patent, publication or other information referred to therein is material or considered to be material (37 CFR § 1.97(h)), or even qualifies as "prior art" under 35 USC § 102 with respect to this invention unless specifically designated by Applicant as such.

This IDS is believed to be timely in that it is being submitted under 37 CFR § 1.97(b), that is (1) within three months of the filing date of the application, which is not a continued prosecution application filed under § 1.53(d); or (2) within three months of entry of the national stage as set forth in 37 CFR § 1.491; or (3) before the mailing of a first Office action on the merits; or (4) before the mailing of a first OC-94626.1

CERTIFICATE OF MAILING (37 C.F.R. §1.10)

I hereby certify that I have a reasonable basis to expect that this paper (along with any referred to as being attached or enclosed) is being deposited with the U.S. Postal Service on the date shown below with sufficient postage as 'Express Mail - Post Office To Addressee' in an envelope addressed to Commissioner for Patents, Washington, DC 20231.

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Date of Deposit: October 16, 2001

Micheal A. Smith

Office action after filing a request for continued examination under § 1.114. Thus, no fee is required. However, if the undersigned is in error in this regard, Applicant respectfully requests that the Office consider this IDS as filed under 37 CFR § 1.97(c), if applicable, and charge the fee due under 37 CFR § 1.17(p) to the deposit account referenced below.

The Commissioner is authorized to charge any fees required by the filing of these papers, and to credit any overpayment to Lyon & Lyon's Deposit Account No. 12-2475.

Respectfully submitted,

LYON & LYON LLP

Dated: October 16, 2001

Rv۰

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FORM PTO-1449

OF PATENTS AND OTHER ITEMS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT

Jse several sheets if necessary)

ATTY. DOCK 10 264/217	•
APPLICANT:	

SERIAL NO. 09/910,469

Markus Schweitzer et al.

FILING DATE: July 19, 2001

GROUP: Not Assigned

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				U.S.	PATENT DOCUMENTS			
_	EXAMINER	18/15	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE
\vdash	INITIAL		NUMBER			125	6	11/17/1995
		AA	5,763,175	06/09/1998	Brenner	435	+	11/11/1995
		AB	5,605,662	02/25/1997	Helier et al.	422	68.1	11/01/1993
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ı	•		6 051 380	1 04/18/2000	Sosnowski et al.	400	0	12/00/1001

-			FOREIGN	PATENT DOCUMENTS			
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION YES NO
	AD	86/07387	12/18/1986	WIPO			
	AE	0 305 145 A2	03/01/1989	European Patent Office			
	AF	0 360 940 A2	04/04/1990	European Patent Office			
	AG	Hei 3-151900	06/28/1991	Japan			X
	АН	93/13223	07/08/1993	WIPO			
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	AO	99/15509	04/01/1999	WIPO			
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	AQ	99/15540	04/01/1999	WIPO			
	AR	99/15541	04/01/1999	WIPO			
	AS	99/15542	04/01/1999	WIPO			
	АТ	99/15893	04/01/1999	WIPO		V	
	AU	00/11011	03/02/2000	WIPO			

EXAMINER:	DATE CONSIDERED:

EXAMINER: Initial if reference is considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include a copy of this form with next communication to applicant

Information Disclosure Statement – Section 9 PTO-1449

FORM PTO-1449	ATTY. DOCK 10. 264/217	SERIAL NO. 09/910,469
INFORMATION DISCLOSURE STATEMENT	APPLICANT: Markus Schweitzer et	al.
(Use several sheets if necessary)	FILING DATE: July 19, 2001	GROUP: Not Assigned

	EME		FOREIGI	N PATENT DOCUMENTS			
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION YES NO
	ВА	00/58516	10/05/2000	WIPO			
	вв	00/39581	07/06/2000	WIPO			
,	вс	00/60124	10/12/2000	WIPO			
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BE	Beier, M. et al., "Chemical Etiology of Nucleic Acid Structure: Comparing Pentopyranosyl-(2'→4') Oligonucleotides with RNA", Science, Vol. 283, pp. 699-703, Jan. 29, 1999.
BF	Shchepinov, M.S. et al., "Oligonucleotide dendrimers: synthesis and use as polylabelled DNA probes", <i>Nucleic Acids Research</i> , Vol. 25, No. 22, pp. 4447-4454, 1997.
BG	Gilles, P.N. et al., "Single nucleotide polymorphic discrimination by an electronic dot blot assay on semiconductor microchips", <i>Nature Biotechnology</i> , Vol. 17, pp. 365-370, Apr. 17, 1999.
ВН	Liu, J. et al., "Template-directed photoligation of oligodeoxyribonucleotides via 4-thiothymidine", <i>Nucleic Acids Research</i> , Vol. 26, No. 13, pp. 3300-3304, 1998.
ВІ	Green, N. M., "Advances in Protein Chemistry", pp. 85-132, 1975.
BJ	Chilkoti, A., et al., "Molecular Origins of the Slow Streptavidin – Biotin Dissociation Kinetics", <i>J. Am. Chem. Soc.</i> Vol. 117, pp. 10622-10628, 1995
ВК	Bhu, B.C.F. et al., "Ligation of oligonucleotides to nucleic acids or proteins via disulfide bonds", <i>Nucleic Acids Research</i> , Vol. 16, No. 9, pp. 3671-3691, 1988.
BL	Goodwin, J.T. et al., "Template-Directed Synthesis: Use of a Reversible Reaction", <i>J. Am. Chem. Soc.</i> , Vol. 114, pp. 9197-9198, 1992.
ВМ	Gryaznov, S.M. et al., "Chemical Ligation of Oligonucleotides in the Presence and Absence of a Template", <i>J. Am. Chem. Soc.</i> , Vol. 115, pp. 3808-3809, 1993.
BN	Uhlmann et al., "Antisense Oligonucleotides: A New Therapeutic Principle", Chemical Abstracts, Vol. 90, No. 4, pp. 543-584, 1990.
- во	Pitsch, S. et al., "147. Why Pentose- and Not Hexose-Nucleic Acids?" Helv. Chim. Acta, Vol. 76, pp. 2161-2183, 1993.
BP	Pitsch, S. et al., "122. Pyranosyl-RNA ('p-RNA'): Base-Pairing Selectivity and Potential to Replicate", <i>Helv. Chim. Acta</i> , Vol. 78, pp. 1621-1635, 1995.
BQ	Schlonvogt, I. et al., "188. Pyranosyl-RNA ('p-RNA'): NMR and Molecular-Dynamics Study of the Duplex Formed by Self-pairing of Ribopyranosyl-(C-G-A-A-T-T-C-G)" <i>Helv. Chim. Acta</i> , Vol. 79, pp. 2316-2345, 1996.
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BS	Westin, L., et al., "Antimicrobial Resistance and Bacterial Identification Utilizing a Microelectronic Chip Array", <i>J. Clinical Microbiol.</i> , Vol. 39, No. 3, pp. 1097-1104, 2001.

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